

ABSTRACT OF THE DISCLOSURE

Mapping conversion to absorb differences of shapes  
of color reproduction gamuts and also keep gradation is  
provided. Namely, an image processing method by which  
5 a color signal located within a first color  
reproduction gamut represented by a first color system  
is subjected to mapping conversion into a color signal  
located within a second color reproduction gamut  
represented by the first color system, wherein a locus  
10 of a change of color in the first color reproduction  
gamut is represented by a curve, mapping is performed  
to the curve, and the mapping conversion is performed  
on the basis of relation of the curves before and after  
the mapping.

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